

FEATURES & BENEFITS

- Flexible
- 4.5 GHz Bandwidth for HDTV
- Ultra-Low Attenuation & Return Loss
- Precision 75Ω Impedance
- High Velocity of Propagation
- Gas-Injected, Foam Polyethylene Dielectric
- Stranded Center Conductor
- 100% Sweep Tested
- Full-Copper Braid & Foil Shield

APPLICATIONS

- High-Definition or Standard-Definition Serial Digital Video
- High-Resolution Analog Video
- Digital Audio (AES3id, SPDIF or Word Clock)
- Remote Applications

The Gepco® Brand VHD1100F is a flexible RG 11 video coax with a 4.5 GHz bandwidth for HDTV transmission. To achieve flexibility without compromising the electrical performance required for HD video, the VHD1100F features a precision 14-gauge stranded center conductor and a pliable TPE jacket. For the insulating dielectric, the VHD1100F utilizes a crush-resistant, gas-injected polyethylene compound that reduces attenuation and extends the operating bandwidth. The full-copper braid and foil shield provide complete broadband shielding. Engineered for the transmission of uncompressed HD video in patching or remote applications, the flexibility of VHD1100F makes it an excellent choice for field use.



| Mechanical Specifications | | | | | | | | |
|---------------------------|------------|------------|----------------------------|------------------------------|-------------------------|-------------|---------------|----------------|
| Part # | # of Cond. | Nominal OD | Conductor | Insulation (Type, OD) | Shield | Jacket Type | Jacket Colors | Approx. Weight |
| VHD1100F | 1 | 0.400" | 14 AWG (19x27) Stranded BC | Gas-Injected Foam PE, 0.287" | 92% TC Braid, 100% Foil | TPE | Purple | 75 lbs/Mft |

| Electrical Specifications | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|--|-------------|-------------------|--------------------|---------------|-------------------------------------|---------|--------|----------|---------|---------|---------|---------|-------|---------|----------|-------|---------|
| Part # | Impedance | Return Loss (100 kHz-1 GHz), (1 GHz-4.5 GHz) | Capacitance | Cond. DCR per Mft | Shield DCR per Mft | Vel. of Prop. | Nominal Attenuation (dB per 100 ft) | | | | | | | | | | | | |
| | | | | | | | 1 MHz | 3.6 MHz | 10 MHz | 71.5 MHz | 135 MHz | 270 MHz | 360 MHz | 720 MHz | 1 GHz | 1.5 GHz | 2.25 GHz | 3 GHz | 4.5 GHz |
| VHD1100F | 75 Ω (+/-2) | >20dB, >15dB | 16.2 pF/ft | 2.7 Ω | 1.5 Ω | 85% | 0.07 | 0.28 | 0.46 | 1.12 | 1.54 | 2.11 | 2.50 | 3.70 | 4.32 | 5.34 | 6.61 | 7.73 | 10.15 |